

Public Disclosure Document

Title: Disposable Volcanic Charcoal Incense with Integrated Clay Capsule

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Status: Public Disclosure for Prior Art Purposes

Abstract

This invention introduces a disposable, single-use charcoal-based incense heating system shaped like a volcano. It integrates a central clay capsule containing aromatic material (such as oud chips or oud infused in propylene glycol) directly above the charcoal structure. The charcoal burns top-down, gently heating the capsule to vaporize the fragrance without open flame or combustion. The design provides an aesthetic, stable, and low-effort incense experience suitable for luxury oud rituals and daily use.

Background and Problem

Traditional incense and oud burning setups often require precise assembly, manual handling of hot charcoal, or fragile accessories like mica plates. While Kōdō-style setups provide excellent control, they are time-consuming, require skill, and are not disposable. Additionally, heating oud or PG-based aromas without burning is technically challenging due to the risk of overheating or extinguishing the coal.

Summary of the Invention

The invention solves these challenges through a **disposable charcoal cone** (volcano-shaped) with a **pre-inserted clay capsule** at the top center. The charcoal consists of a soft top layer for fast ignition and a dense lower layer for long burn stability. Upon ignition from the top, heat travels downward and evenly envelops the clay capsule, which contains a measured dose of oud or aromatic compound. A small hole in the top of the capsule allows vapor to escape, releasing a clean fragrance plume.

Detailed Description

1. Structure

- **Outer Cone:**
 - Formed from two-layer pressed charcoal (soft top, dense base)
 - Shape resembles a volcano with slight tapering sides
 - Optional ash-textured top for aesthetic presentation
- **Clay Capsule:**
 - Small bowl-shaped terracotta insert
 - Positioned directly above the center of the cone
 - May be filled with:
 - Solid oud chip
 - Oud resin
 - Oud infused in PG/glycerin
 - Features a vapor outlet hole (if sealed)

2. Burn Characteristics

- Ignited from the top with a torch or match
- Top layer burns quickly, forming a natural ash insulator
- Heat travels downward and heats the clay capsule from below and around
- Capsule gradually reaches ~200–230°C, optimal for vaporizing oud without burning
- Fragrance vapor escapes through the capsule opening

3. Material and Fabrication

- **Charcoal:** Coconut, bamboo, or custom-pressed powder

- **Clay Capsule:** Terracotta, stoneware, or fire clay — unglazed for breathability
 - **Aroma Content:** Can be pre-loaded in manufacturing, sealed for freshness
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Functional Specs

Parameter	Value
Burn Duration	~20–30 minutes
Capsule Temp	~220°C average
Diameter	~5–7 cm
Height	~4–6 cm
Weight	~80–120g
Ignition	Top torch or match
Safety	Self-contained, no exposed flame at aroma point

Advantages

- Fully **disposable** and **ready-to-use**
 - Controlled **aroma release** with minimal user handling
 - Authentic **volcano-style aesthetic**
 - No need for **ash layering**, **mica plates**, or additional setup
 - **Safe** for both beginners and experienced practitioners
 - Offers potential for **pre-filled cartridges** or **flavor packs**
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Intended Use

- Oud rituals and luxury fragrance sessions
- Kōdō-style incense experiences
- Meditation or spa environments
- Gifting and ceremonial occasions

This document is **publicly disclosed** to establish **prior art** as of the timestamp date. It may be used to prevent future patent claims on this concept or serve as reference material for further development.